

Amendments to the Specification

Insert the following sentence at page 1, line 6, of the application:

--This application is a continuation of co-pending United States Patent Application No. 09/997,372, filed November 29, 2001, the content of which is incorporated herein by this reference.--

Replace the paragraph beginning at page 25, line 1, with the following rewritten paragraph:

--It will be recalled that the composite data stream CDS includes several message types: (i) measurements such as pseudorange PR and phase ϕ for each of the L1 and L2 frequencies for each satellite in view at the reference station, (ii) ephemerides for each satellite in view at the reference station, and (iii) iono parameters and time parameters. As the CDS packets arrive at the network processor, a packet decoder object ~~PA~~ PA retrieves a packet from the buffer at 805, extracts the message from the packet at 810, performs a checksum at 815, and passes the message to an input buffer to await further processing by epoch according to its time tag.--

Replace the paragraph beginning at page 25, line 10, with the following rewritten paragraph:

--As will be seen, messages are passed from the input buffer to the reference station object RSO1 ... ROOM corresponding to the reference station identifier contained in the message. For example, a message containing data from RS1 is routed to RSO1, and a message containing data from RSM is routed to ~~ROOM~~ RSOM. The reference station object relays the message to the satellite object SVO1 ... ~~SON~~ SVON corresponding to the satellite identifier contained in the message. For example, a message containing data relating to SV1 is routed to SVO1, and a message containing data from SVN is routed to ~~SON~~ SVON. Ephemeris, iono and clock data is stored at the satellite object, while measurement data is passed to measurement objects MO11 ... MOMN for preliminary processing. For example, measurement data from RS1 for SV1 is routed to MO11, and measurement data from RSM for SVN is routed to MOMN.